Figure 11: Pegasus Hardware

42 U

2 U  Patch Panel
1 U  Patch Panel
2 U  FW+Router (to ASDN ISP#1)
1 U  FW+Router (to ISP#2)
1 U  DC Switch
1 U  DC Switch
1 U  Users Switch
3 U  Backup Server
1 U  Management server
1 U  LCD Monitor
1 U  Process server1
1 U  Process server2
1 U  PBX 1
1 U  PBX 2
1 U  SMS Gateway/Modems

7 U  UPS
System Setup and Training

We are responsible for the system setup and training before its hand-over to the customer.

System Prerequisites

Successful installation of the Pegasus system requires the following preparations of the servers' room:

- Sufficient room to contain two 42U racks cabinet, 5x5x2.5m (LxWxH)
- Air conditioned (18°C) room
- Access restriction
- Routing from end-point terminals to servers room
- Reliable cellular network reception (at least -95 dBm)
- 2 x Electrical outlets (20A) per rack
- 2 x Symmetric ATM lines from different ISP's. Each line with a bandwidth of 10MB containing 8 external static IP addresses:
  - ISP #1: Fiber optic-based network
  - ISP #2: Ethernet category-7 cable-based network
    The mission-critical system requires two parallel networks to ensure system resilience and downtime is kept to an absolute minimum.
- 2 x E1 PRI connections, each contains 10 extensions (two different service providers is recommended)
- 2 x non-anonymous SIM cards for each local Mobile Network Operator
- 3rd party services registration as required

System Setup

- The solution will be deployed at the customer site by we personnel
- Deployment duration usually requires 10-15 working weeks
- Operating environment prerequisites must be met
- System setup includes hardware and software installation, and in addition integration to local environment and systems
- Support and adaptations to the different local device firmware versions

Training

Upon system installation, we personnel will conduct full training sessions. Training can take place onsite or in any other location required by the customer, including we headquarters. Training session includes the following:

- Basic system usage
- System architecture
- Advanced system usage and roles